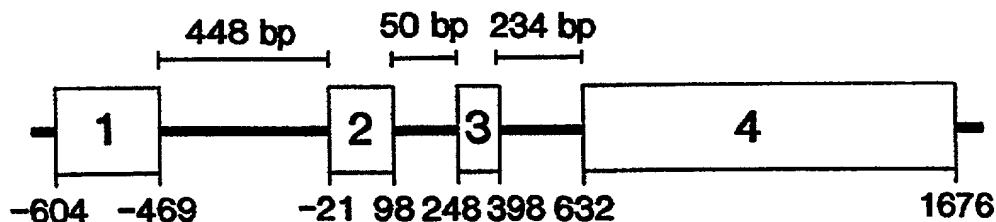
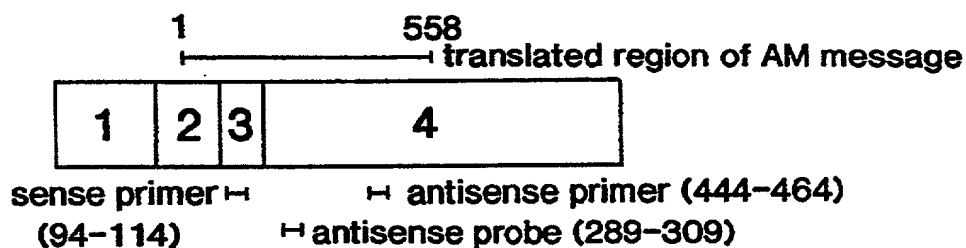


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## Gene



## Message



## Preprohormone

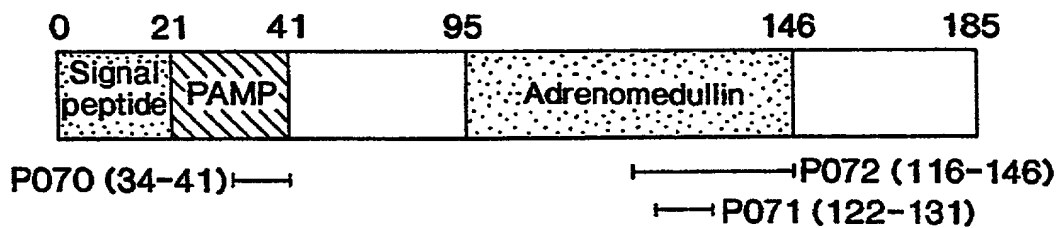


FIG. 1

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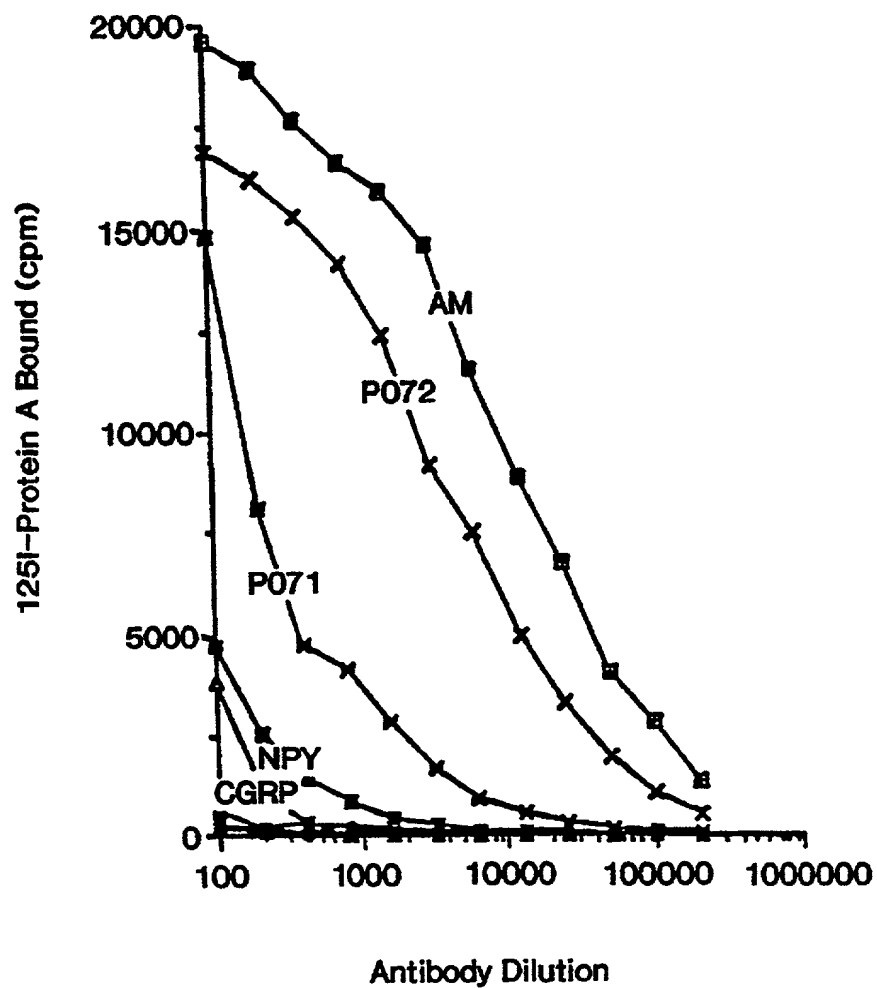


FIG. 2

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FIG. 3



FIG. 4A



FIG. 5A



FIG. 4B

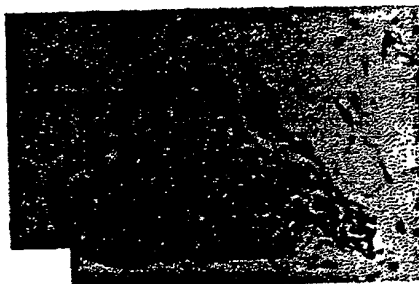


FIG. 5B



FIG. 4C



FIG. 5C



FIG. 4D

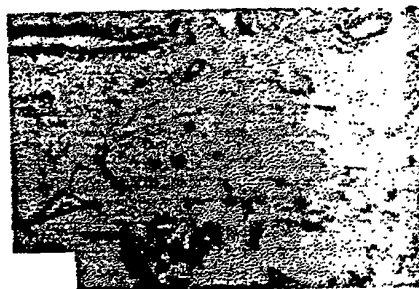
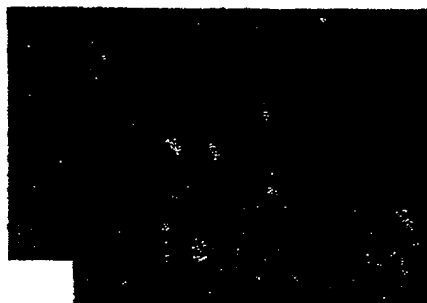


FIG. 5D

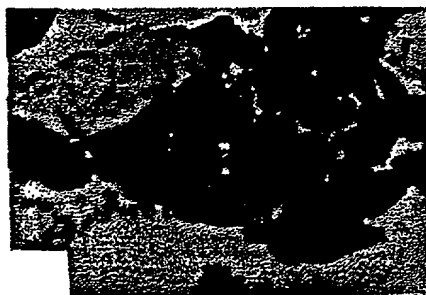
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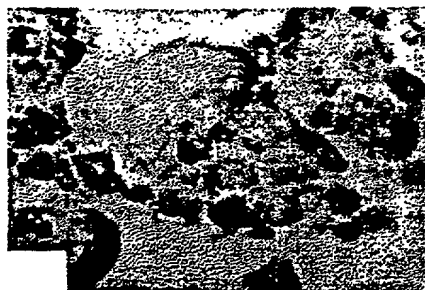
**FIG. 6A**



**FIG. 6B**



**FIG. 7A**



**FIG. 7B**

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Adrenal  
Lung  
H146  
H345  
H676  
H720  
H820

410bp—

H<sub>2</sub>O

FIG. 8A

—410bp

FIG. 8B

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FIG. 10A

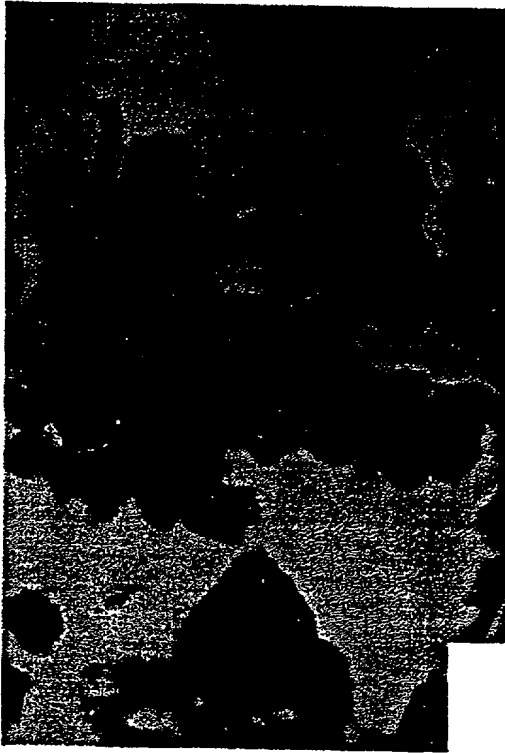


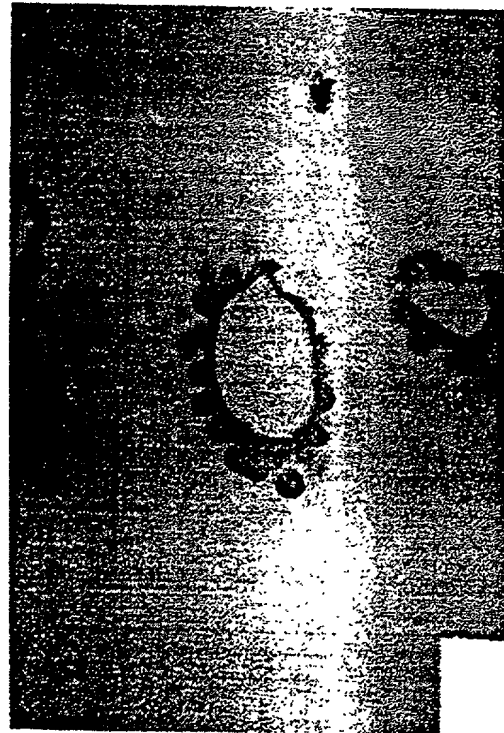
FIG. 10B



FIG. 9A



FIG. 9B



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## HISTAMINE RELEASE FROM RAT MAST CELLS

Peptide	HR <sub>50</sub> [M] <sup>1</sup>	Rats
	( $\bar{x} \pm SD$ )	(n)
AM	$7.9 \pm 3.9 \times 10^{-6}$	5
PO71	$> 10^{-3}$	1
PO72	$> 10^{-4}$	1
AM <sub>1-12</sub>	$> 10^{-4}$	1
PAMP	$4.7 \pm 2.3 \times 10^{-7}$	5
PO70	$2.6 \times 10^{-6}$	1
-----		
<u>Controls</u>		
LHRH	$1.7 \times 10^{-4}$	2
NaIArg	$1.5 \pm 53 \times 10^{-7}$	5

HR<sub>50</sub> = molar concentration of peptide required to  
release 50% of total histamine from rat  
peritoneal mast cells.

FIG. 11



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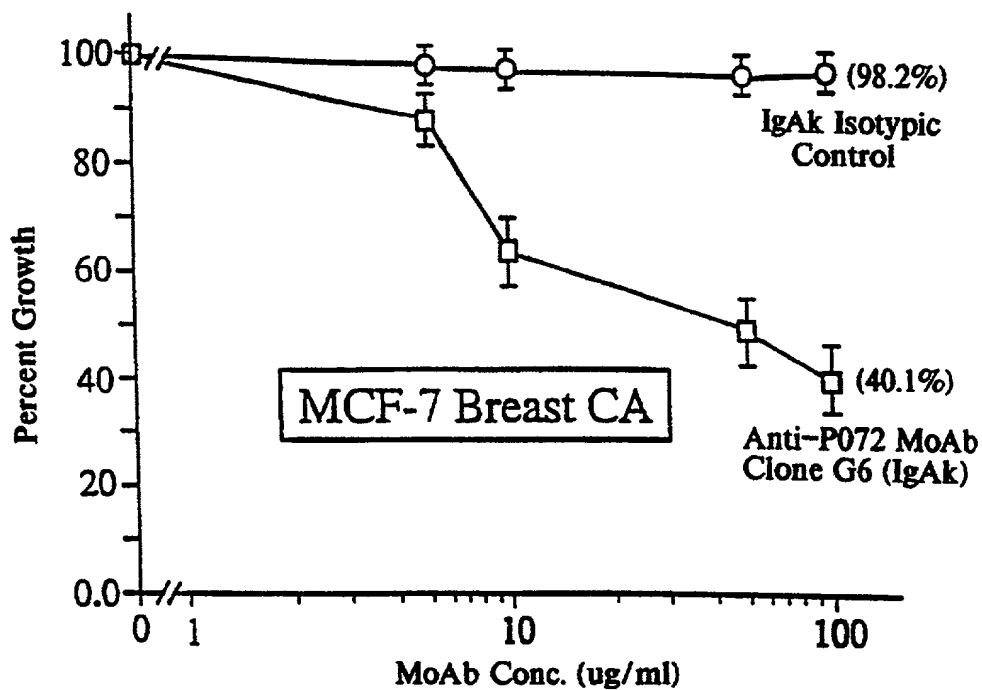


FIG. 12A

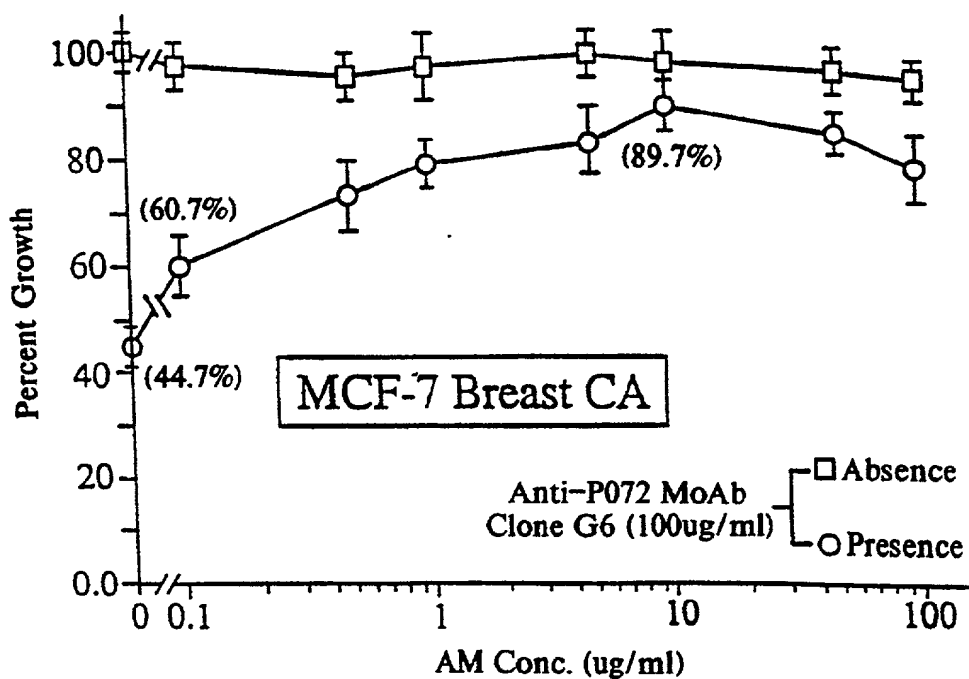


FIG. 12B

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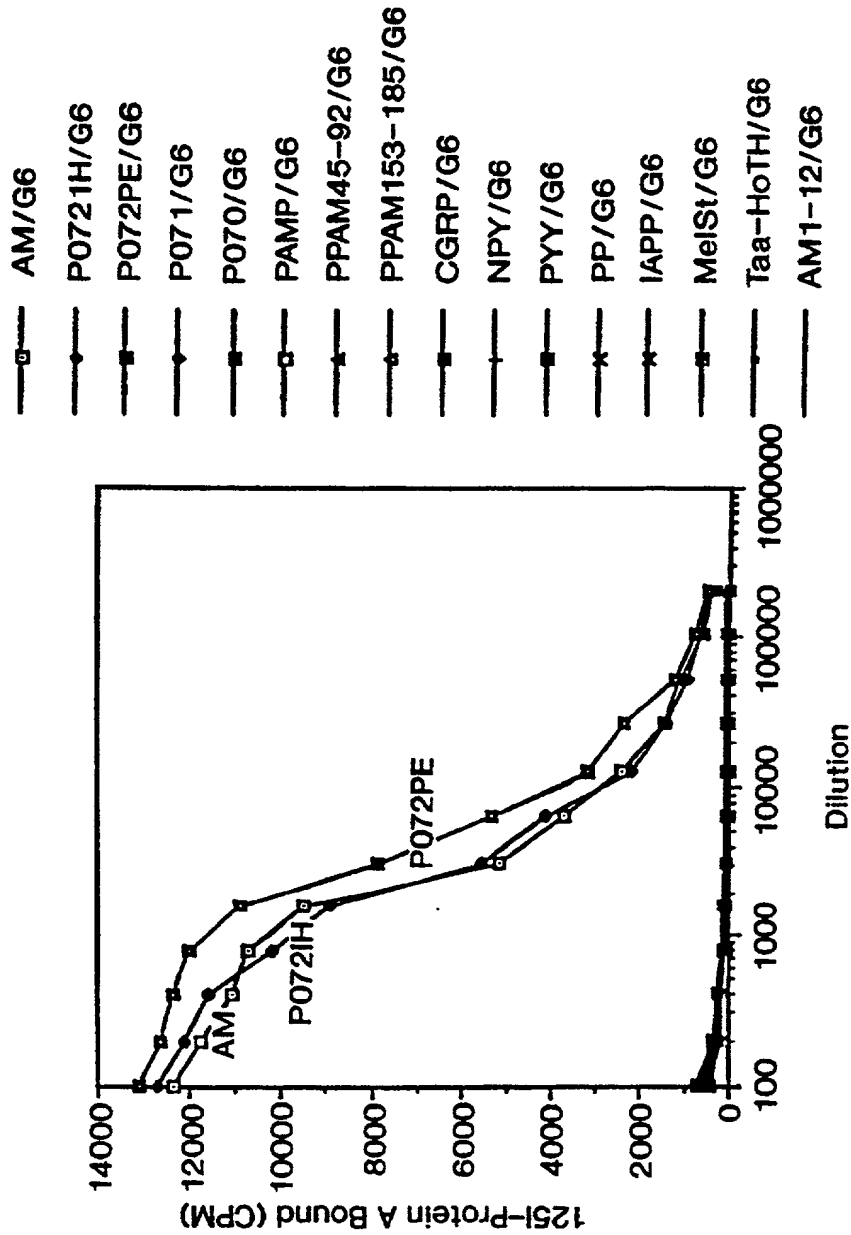


FIG. 13

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FIG. 14A

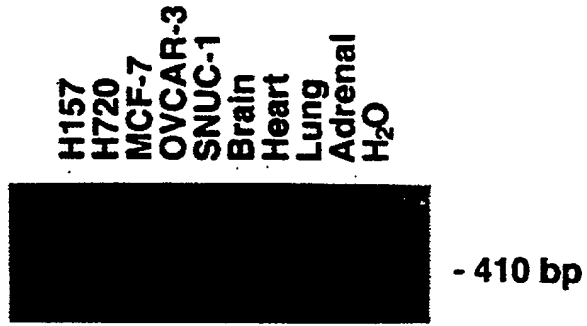


FIG. 14B



FIG. 14C

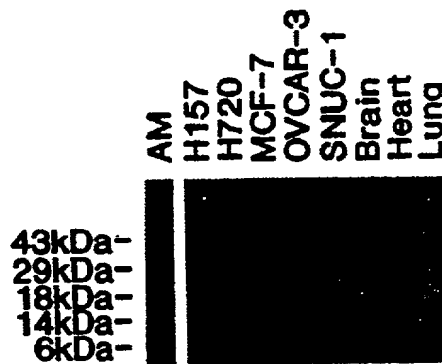


FIG. 14D



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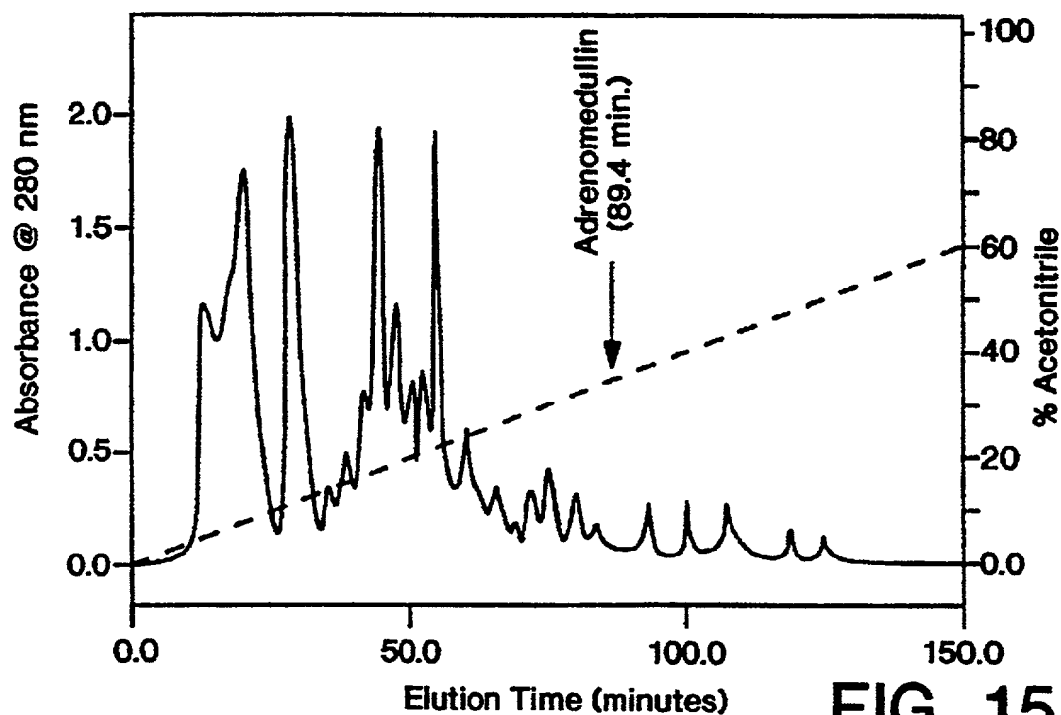


FIG. 15A

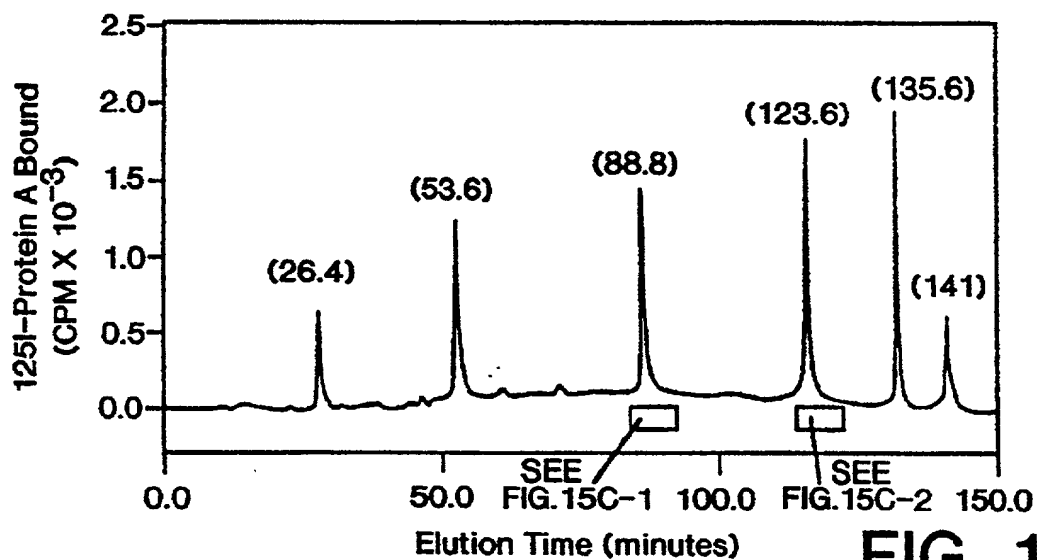


FIG. 15B

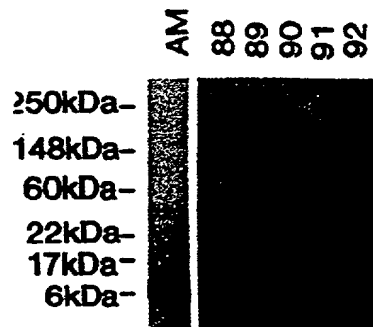


FIG. 15C-1

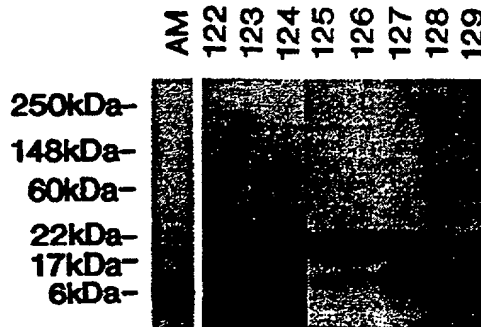


FIG. 15C-2

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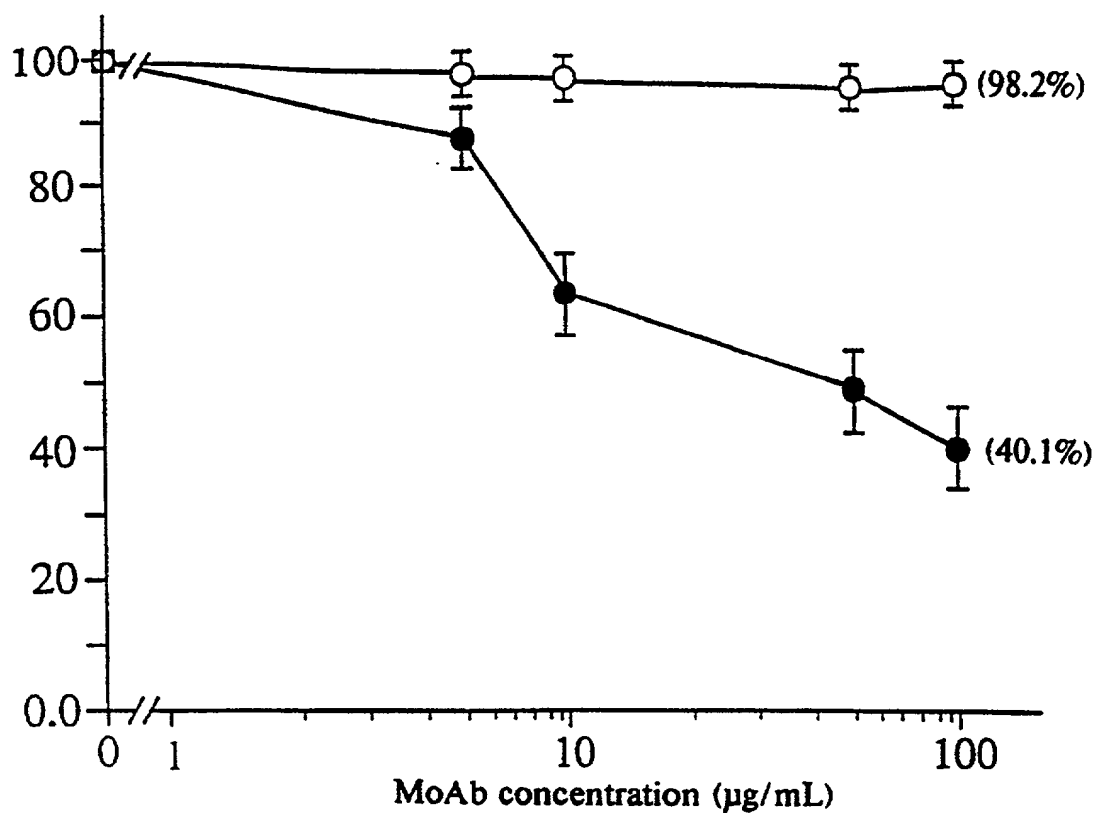


FIG. 16A

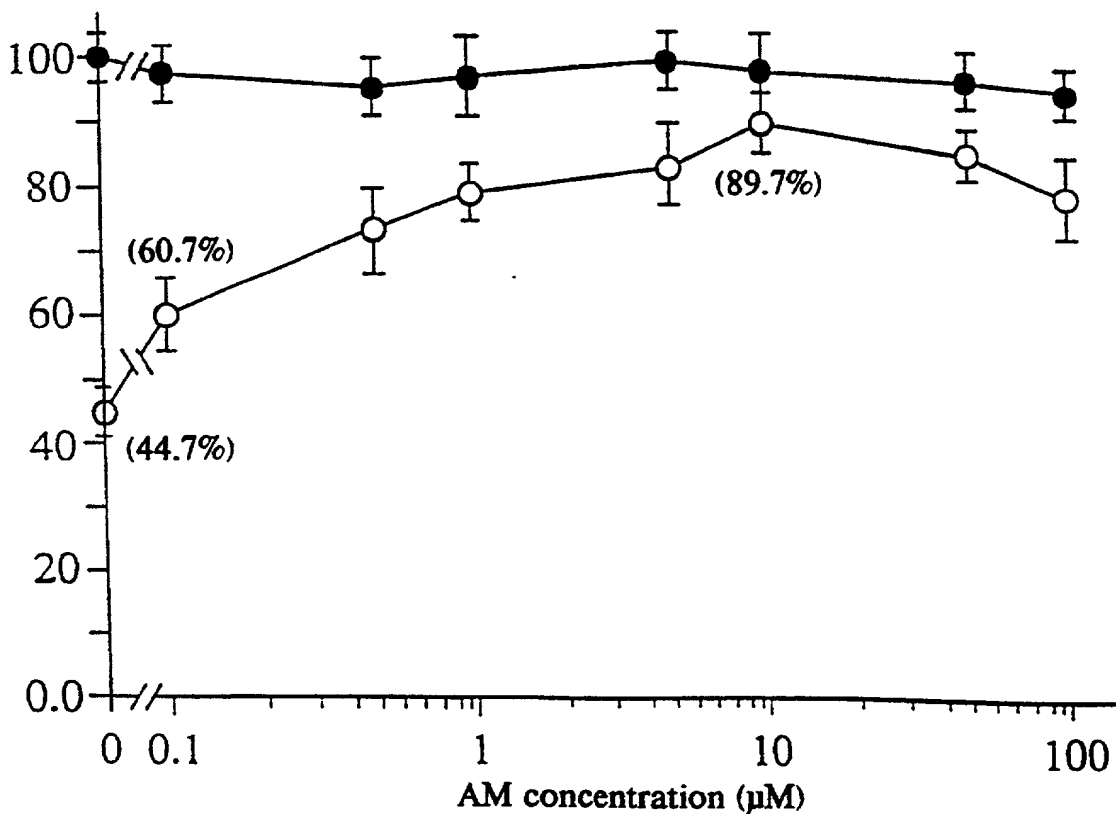


FIG. 16B

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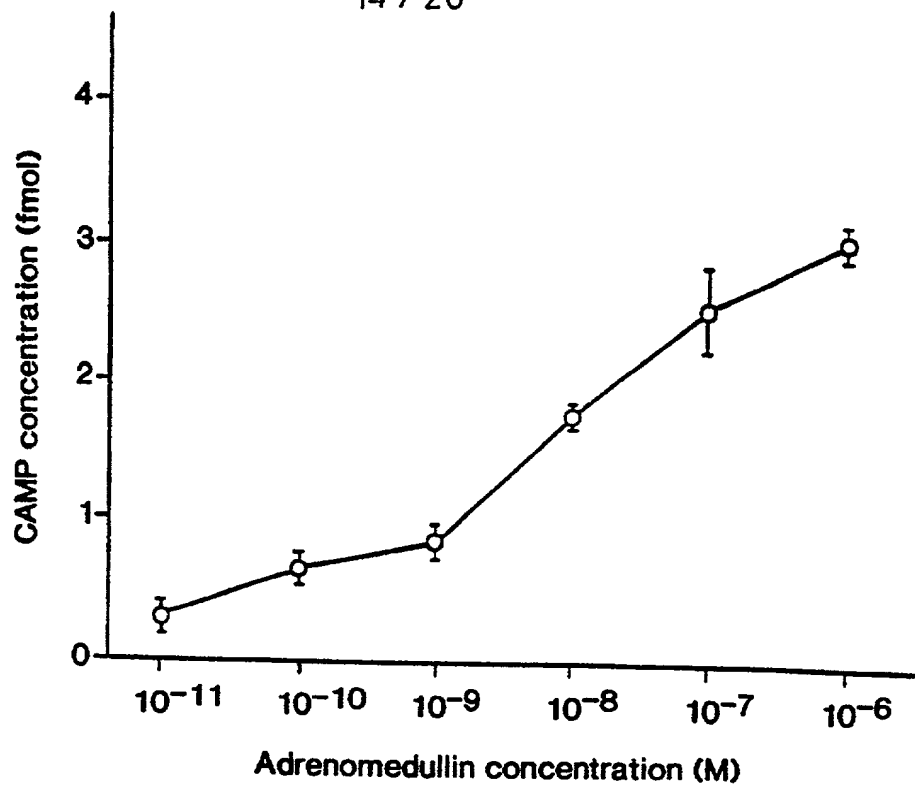


FIG. 16C

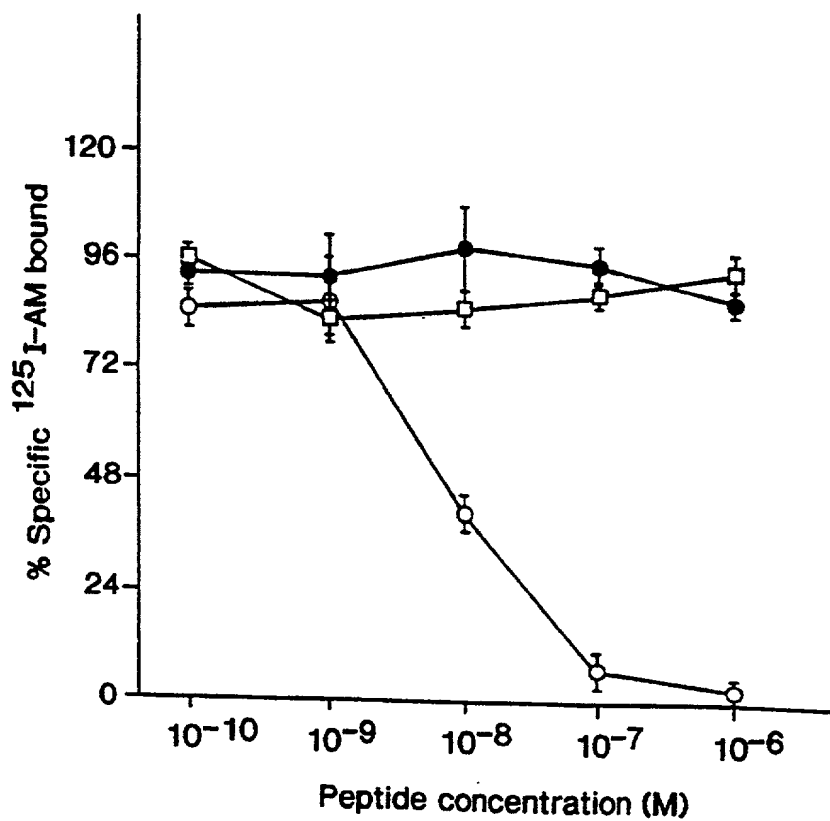


FIG. 16D

FIG. 17B

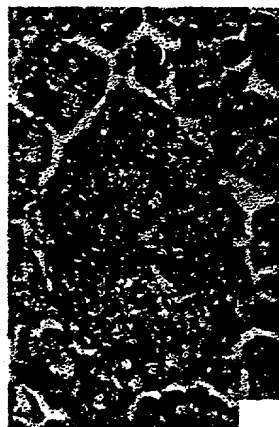


FIG. 17D



FIG. 17F

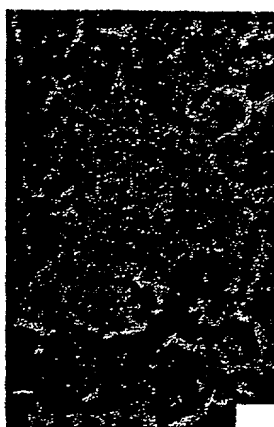


FIG. 17H

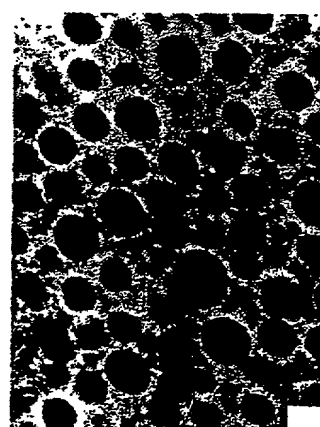


FIG. 17A

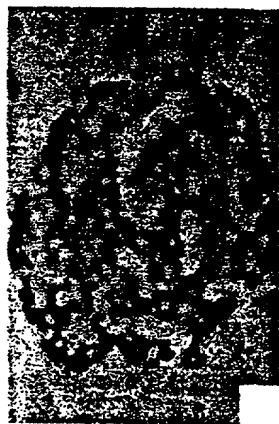


FIG. 17C

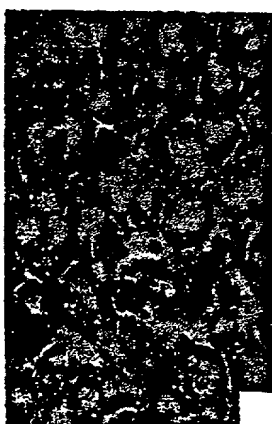


FIG. 17E

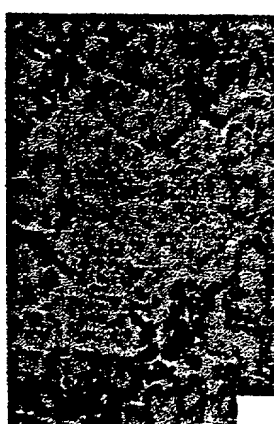
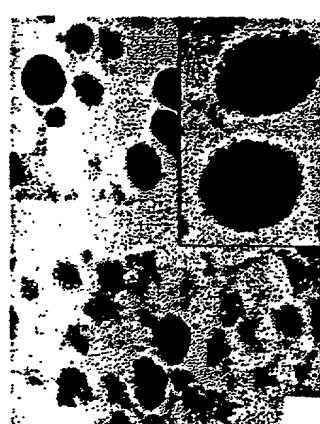


FIG. 17G



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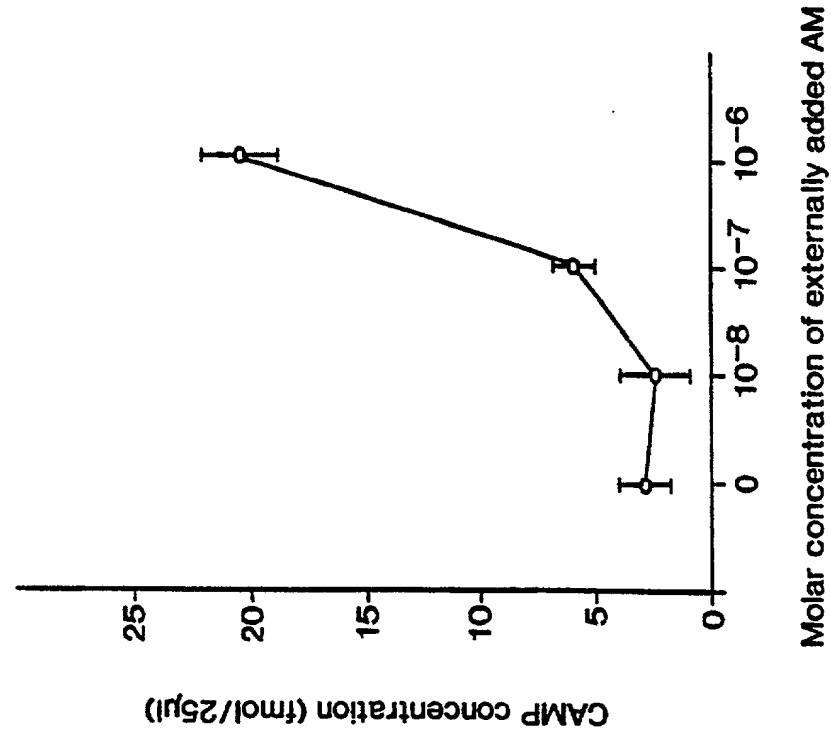


FIG. 18B

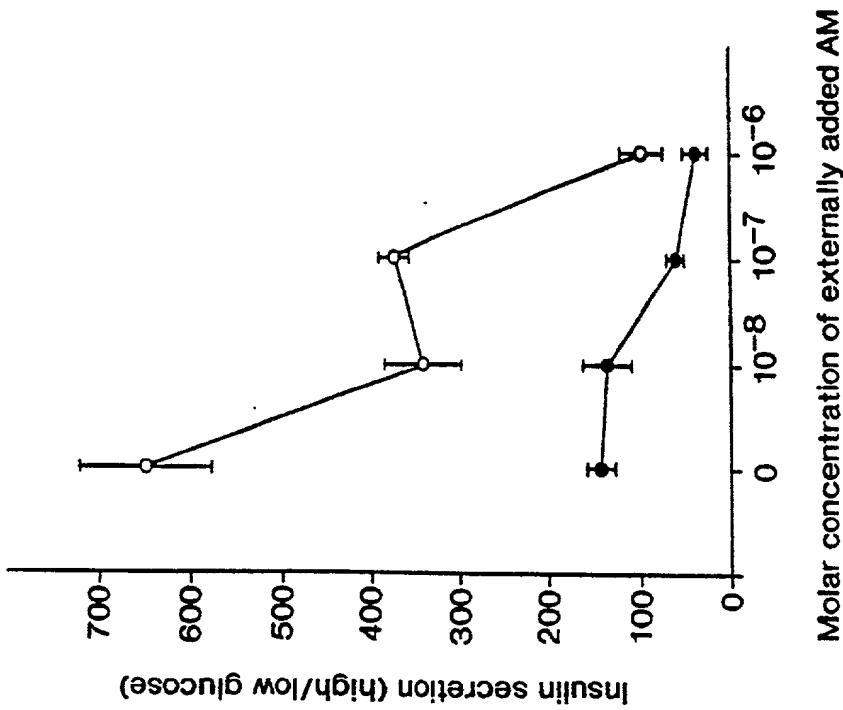
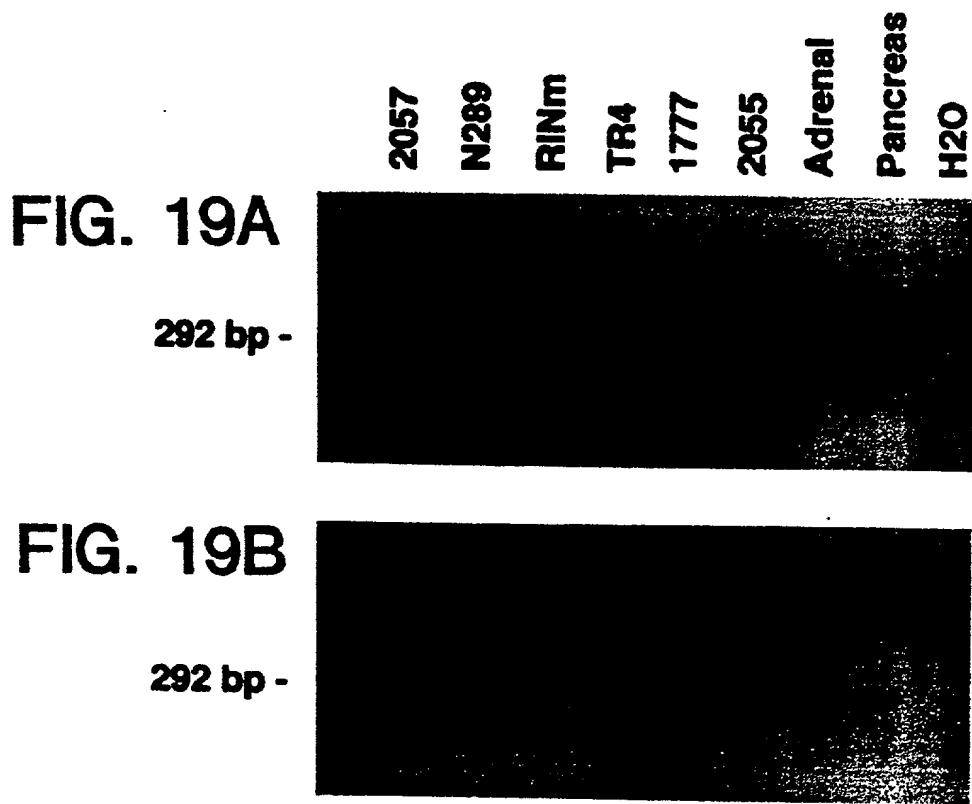


FIG. 18A





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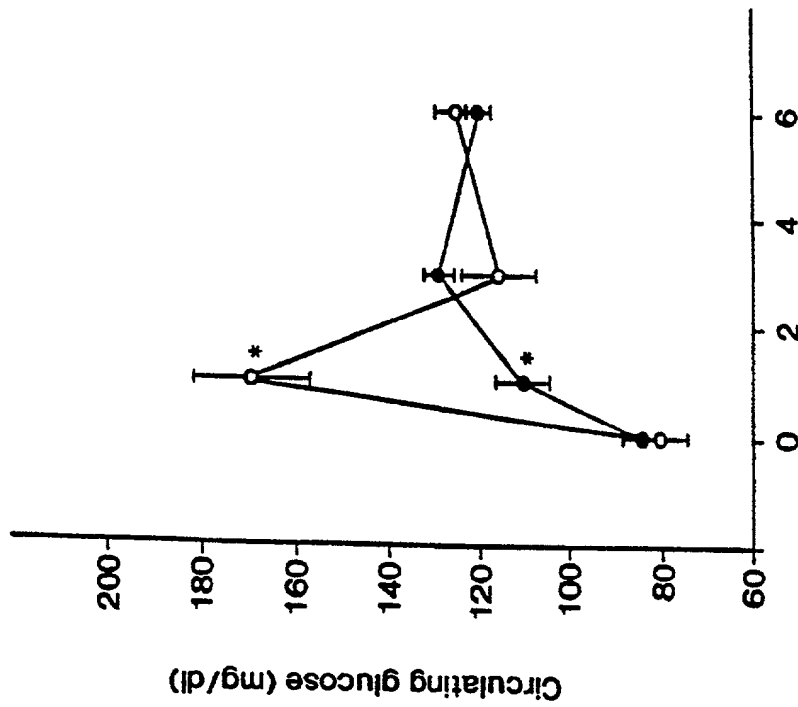


FIG. 20B

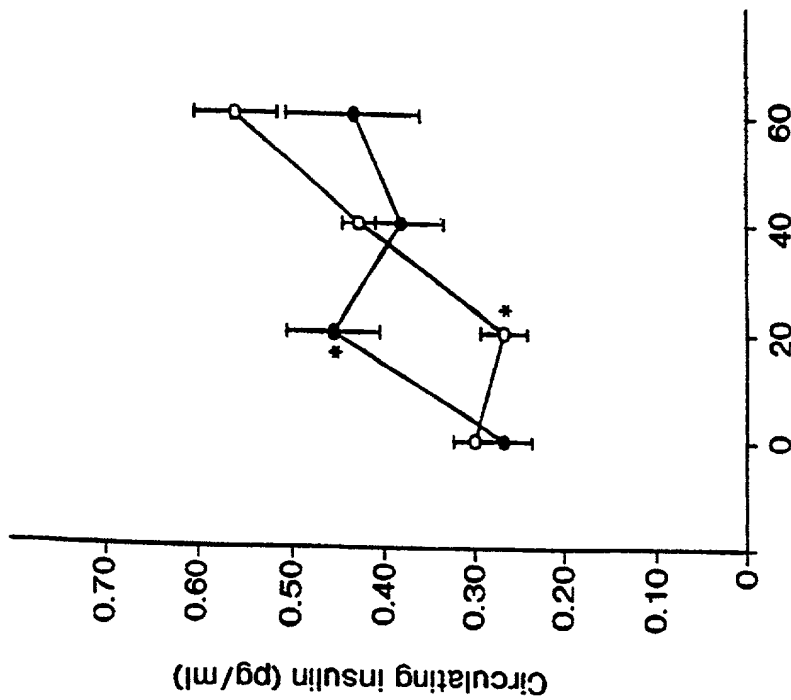


FIG. 20A

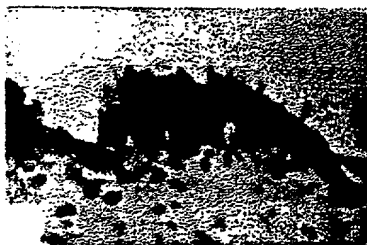


FIG. 21A



FIG. 21B



FIG. 21C



FIG. 21D

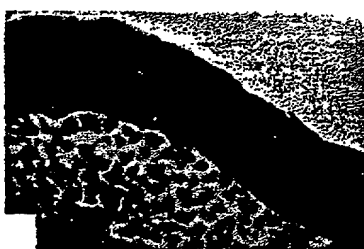


FIG. 21E



FIG. 21F

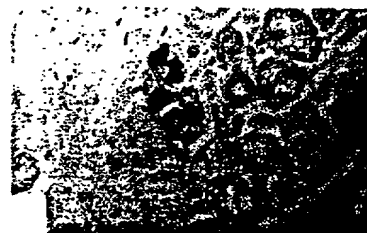


FIG. 21G



FIG. 21H



FIG. 21I

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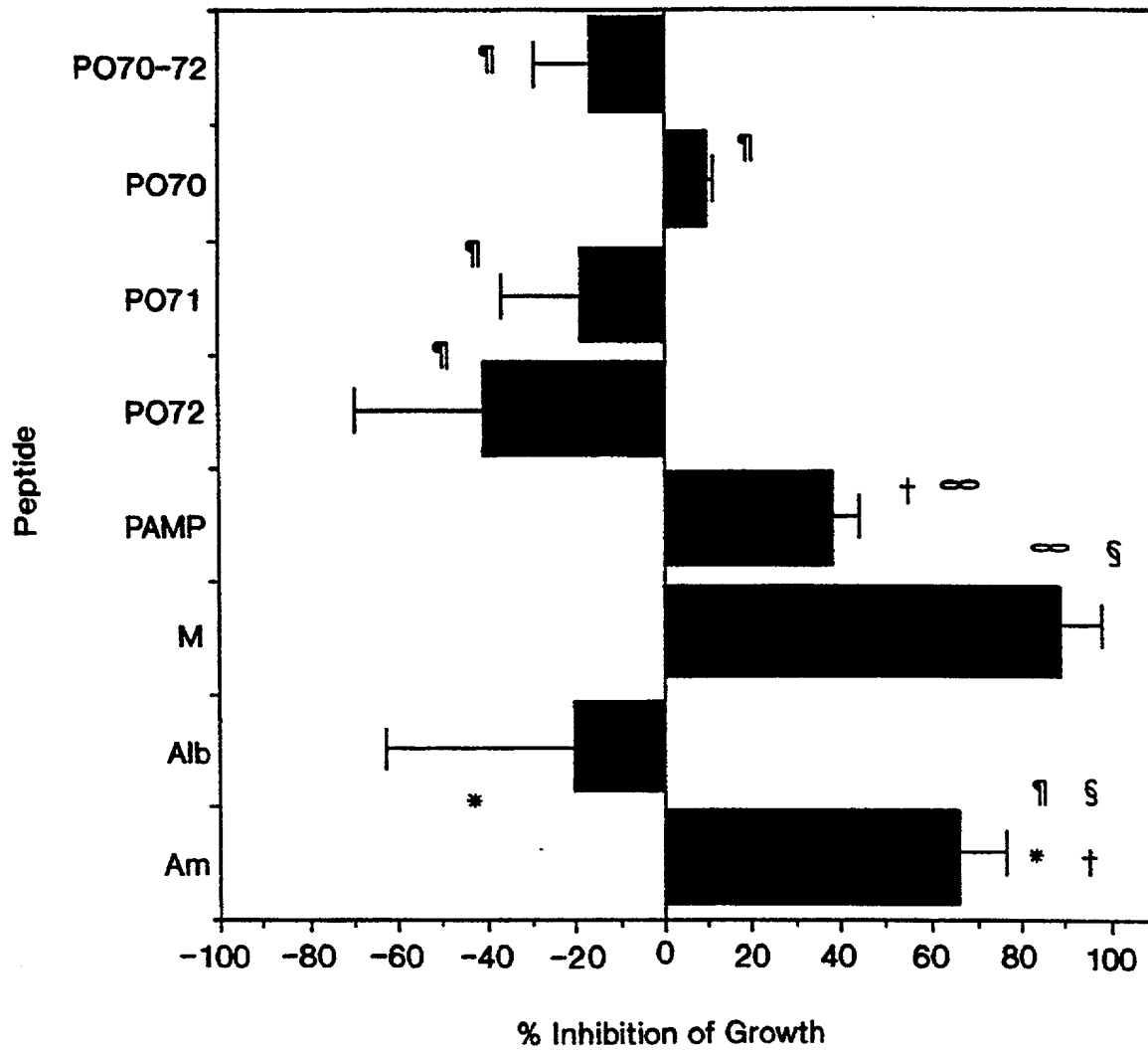


FIG. 22

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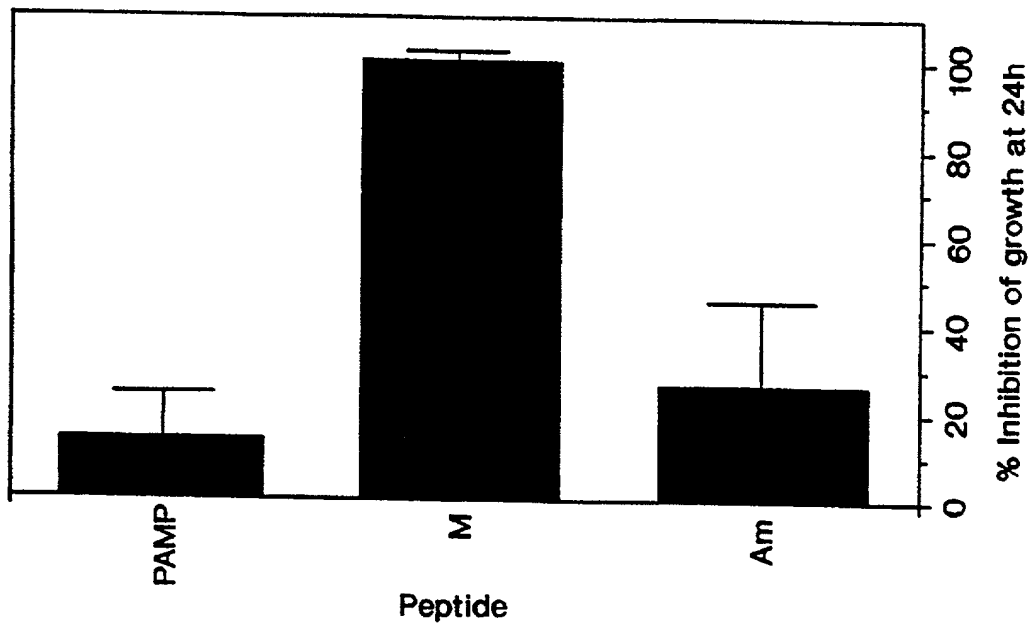


FIG. 23A

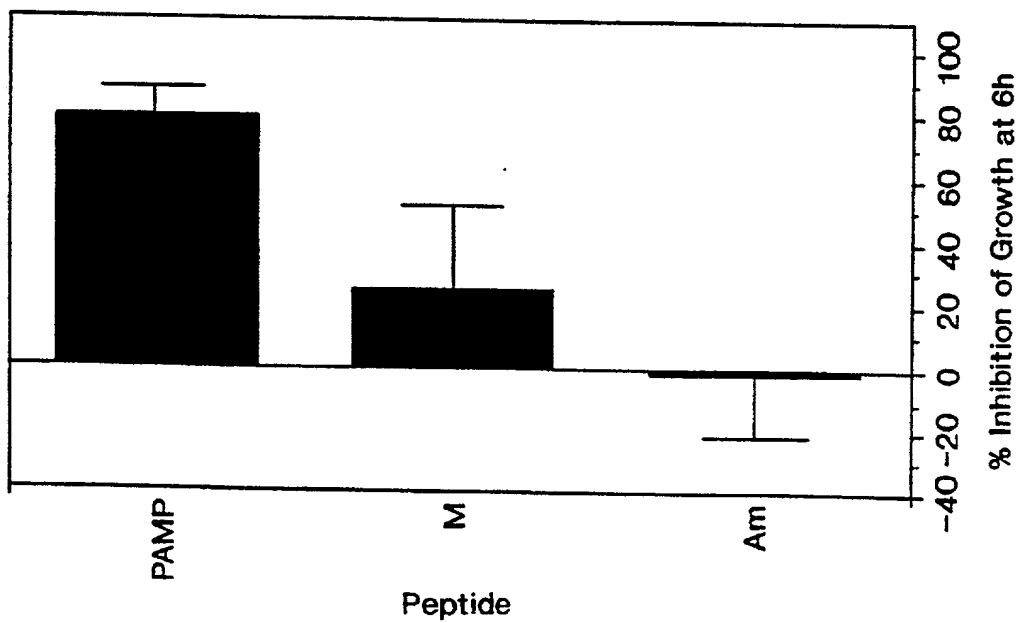


FIG. 23B

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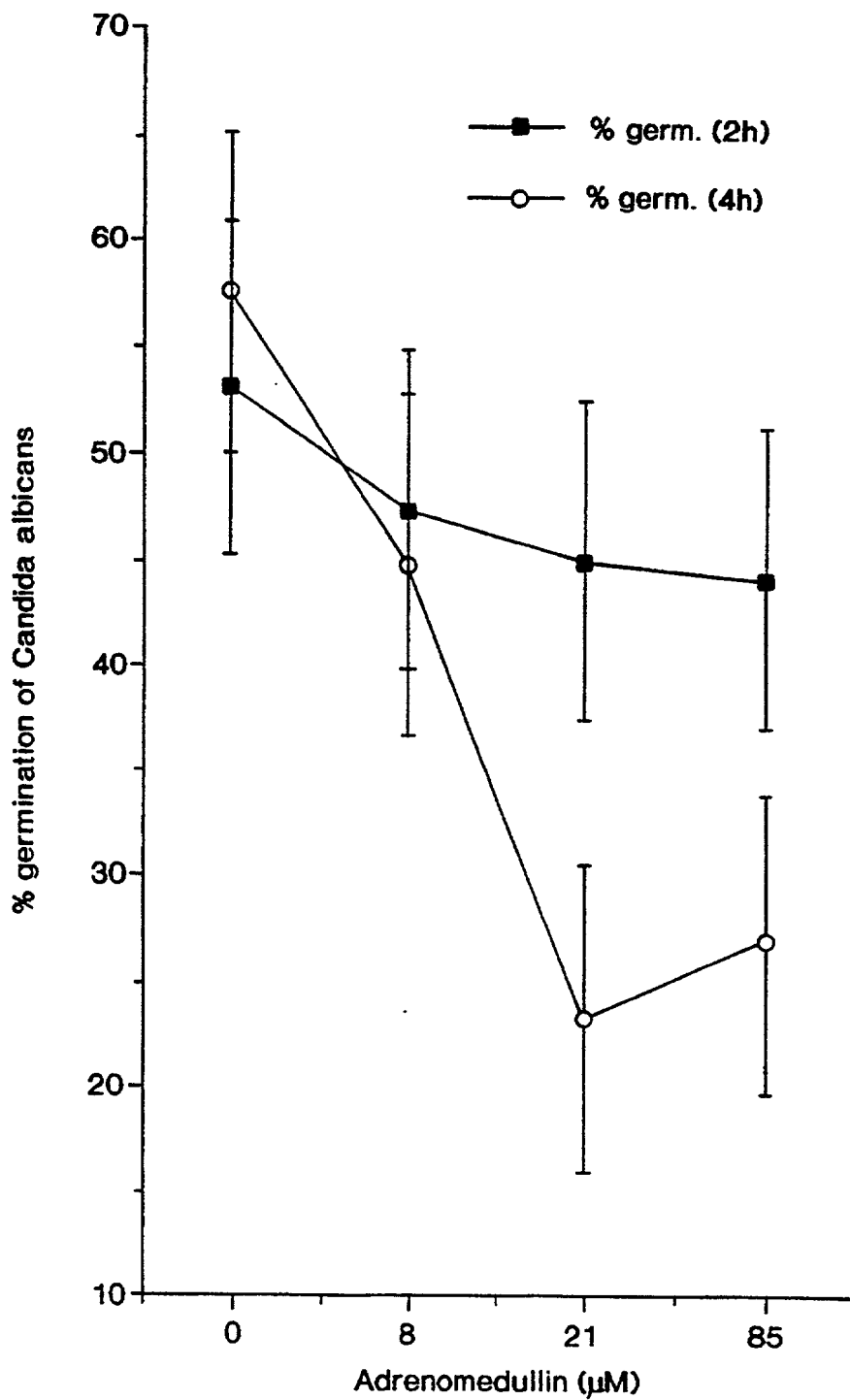


FIG. 24

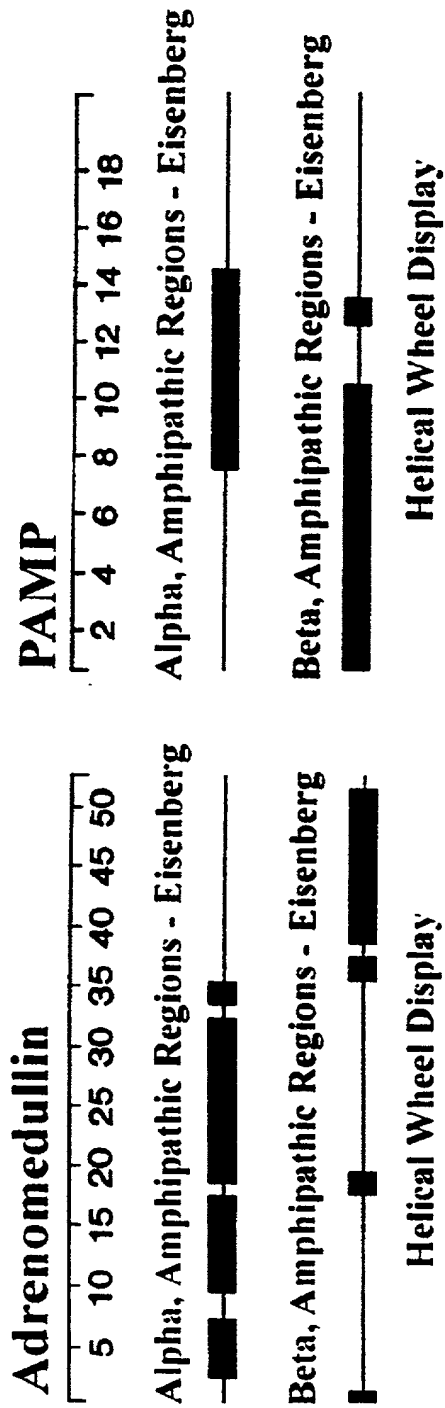


FIG. 25A

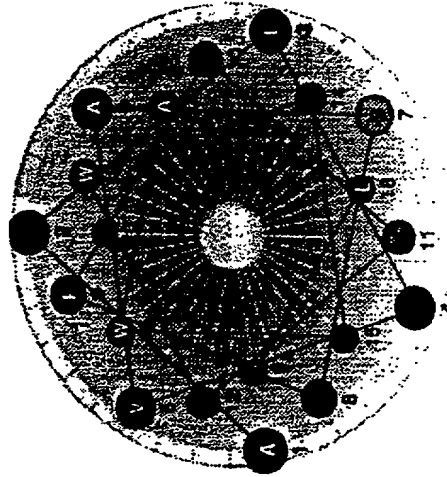


FIG. 25B

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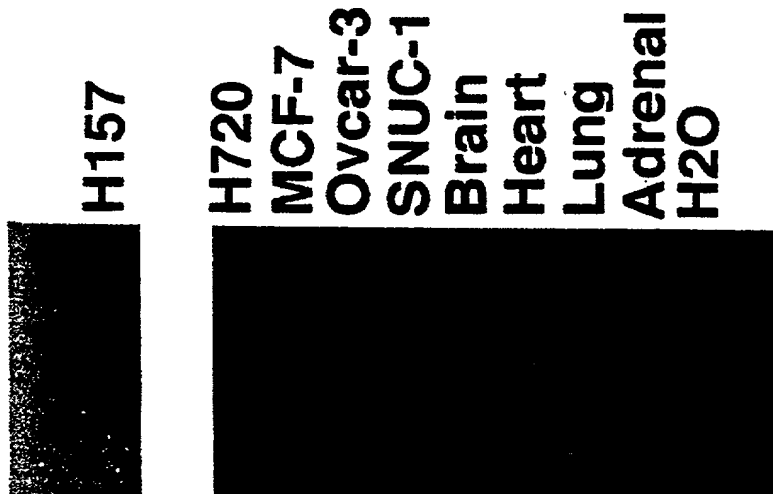


FIG. 26A

- 410 bp

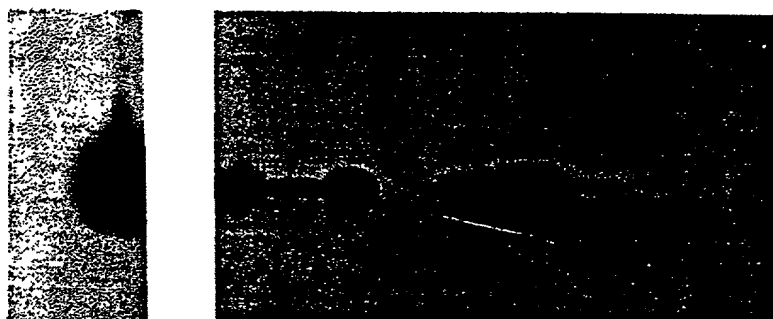


FIG. 26B

- 471 bp

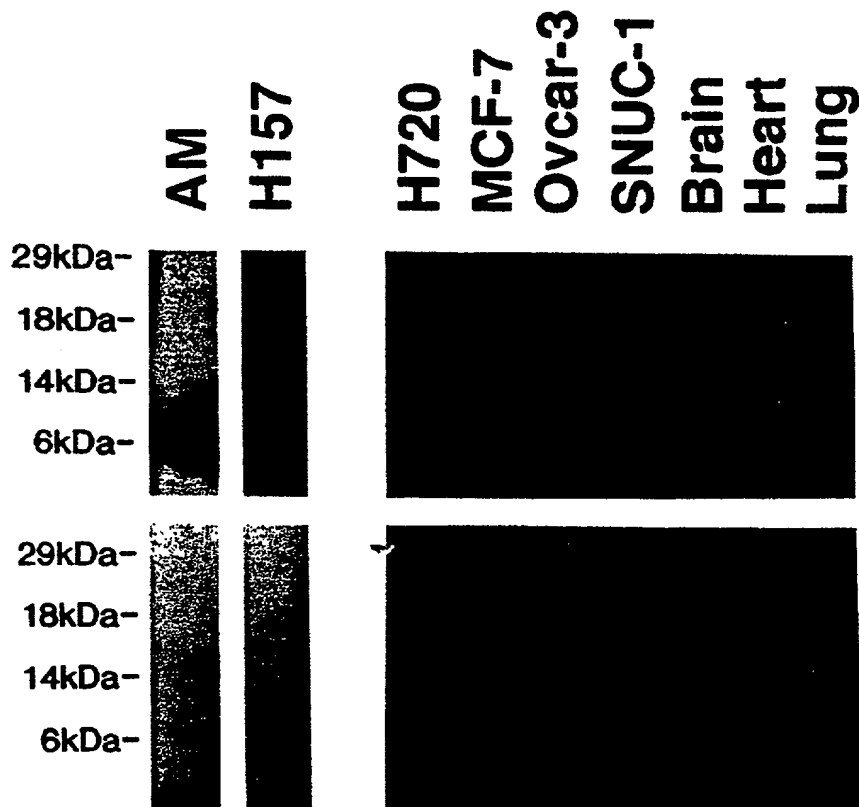


FIG. 26C



FIG. 26D



FIG. 27A



FIG. 27B



FIG. 27C

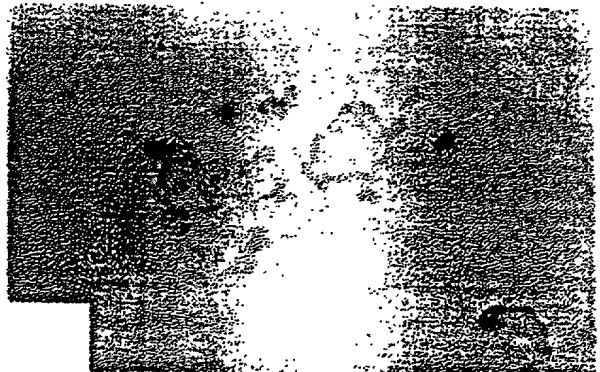


FIG. 27D

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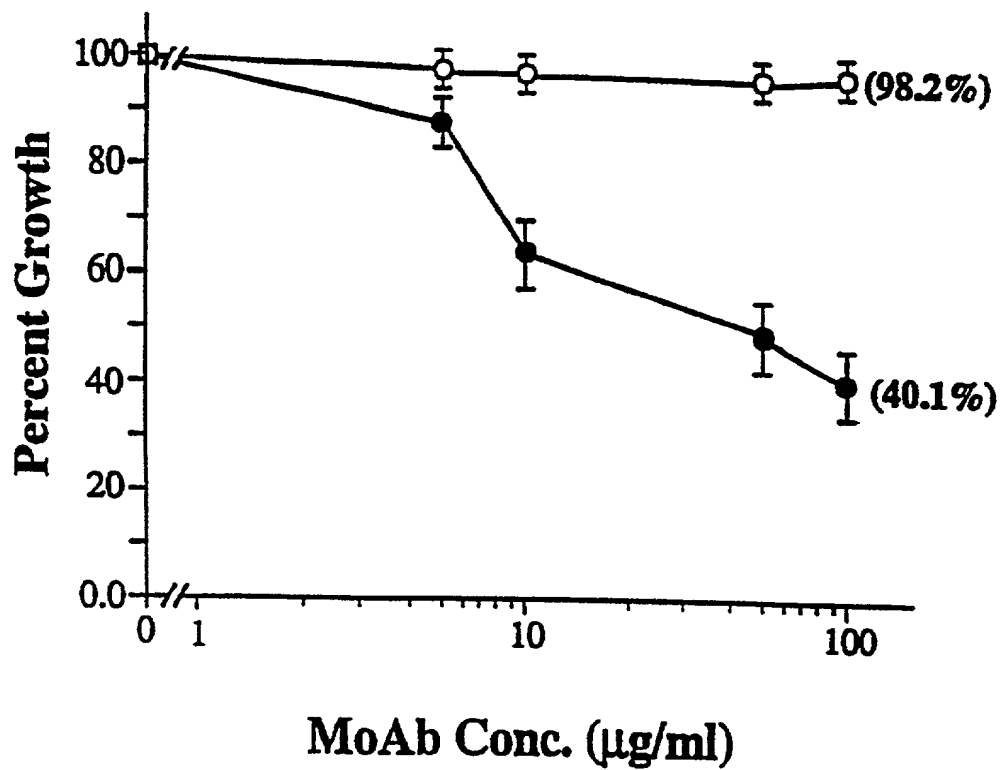


FIG. 28A

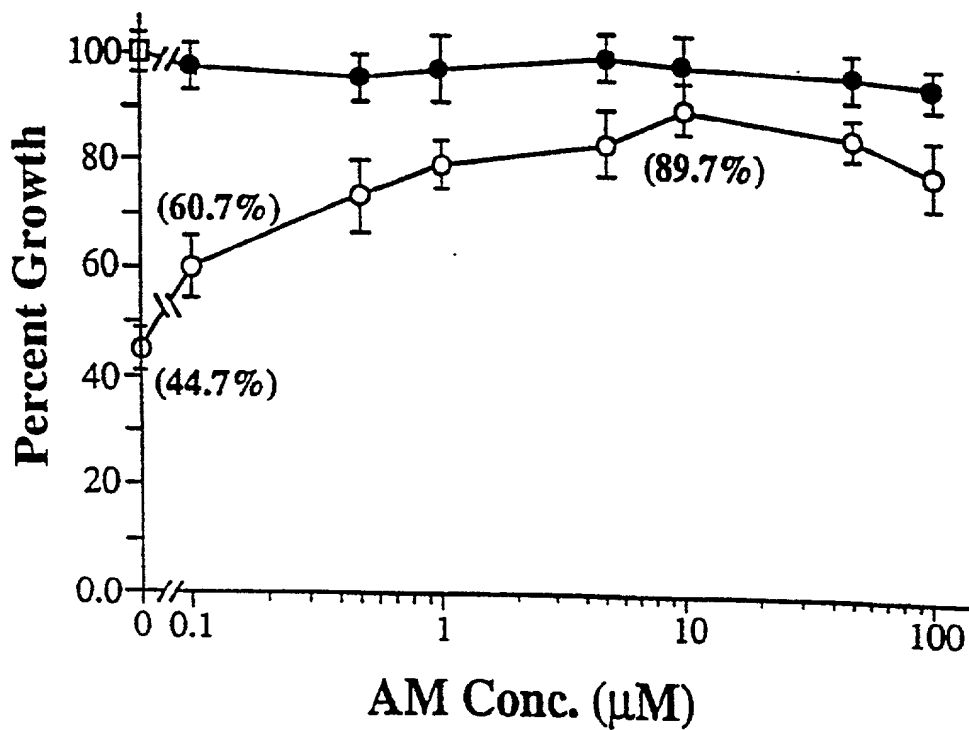


FIG. 28B